

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A home network system interoperable with a wireless terminal of at least one user registered therein, comprising:

a terminal server ~~for detecting that detects~~ a position of said wireless terminal and ~~transmitting transmits~~ and ~~receiving receives~~ voice messages, text messages or multimedia data to/from said wireless terminal; and

a home server connected with said terminal server over the Internet, said home server sending, to said terminal server, alarm data regarding a dangerous situation in a home where a home network is constructed, receiving information regarding the position of said wireless terminal from said terminal server and displaying the received position information,

wherein said home server includes a communication module that transmits and receives data to/from said terminal server over said Internet;

a network interface that transmits and receives data to/from a plurality of home appliances connected to said home network;

a microcomputer that processes data to monitor the state or control operation of said home appliances through said network interface; and

input device that sets and inputs information of said user registered in said home network system.

wherein said home server further includes a display device that displays state information of said home appliances connected to said home network or said data transmitted and received to/from said terminal server under control of said microcomputer.

2. (Currently Amended) The home network system as set forth in claim 1, wherein said terminal server includes:

a wireless communication module ~~for transmitting~~ that transmits and ~~receiving~~ receives data to/from said wireless terminal of said registered user;

a position information output unit ~~for reading~~ that reads and ~~outputting~~ outputs the position information of said wireless terminal contained in said data transmitted and received to/from said wireless terminal;

a wired communication module ~~for transmitting~~ that transmits and ~~receiving~~ receives data to/from said home server over said Internet; and

a controller ~~for controlling~~ that controls a data flow such that said position information of said wireless terminal is sent to said home server in response to a request therefrom and said alarm data sent from said home server is transferred to said wireless terminal.

3. (Canceled)

4. (Canceled)

5. (Currently Amended) The home network system as set forth in claim ~~[[4]]~~ 1, wherein said display device ~~means~~ is a touch screen integrally formed with said input device ~~means~~.

6. (Currently Amended) The home network system as set forth in claim ~~[[4]]~~ 1, wherein said display device ~~means~~ is detachably mounted on a body of said home server.

7. (Currently Amended) The home network system as set forth in claim ~~[[3]]~~ 1, wherein said home server further includes an alarm sensor ~~for sensing~~ that senses a fire or gas leak through an atmosphere in the home and ~~transferring~~ transfers the sensed result to said microcomputer so that alarm data regarding the fire or gas leak can be generated by said microcomputer.

8. (Currently Amended) The home network system as set forth in claim ~~[[3]]~~ 1, wherein said home server further includes an infrared sensor ~~for sensing~~ that senses intrusion of an outsider into the home through infrared rays emitted from an object moving in the home and ~~transferring~~ transfers the sensed result to said microcomputer so that alarm data regarding the outsider intrusion can be generated by said microcomputer.

9. (Currently Amended) The home network system as set forth in claim ~~[[3]]~~ 1, further comprising said display device ~~means~~ connected to said home

server over said home network, said display ~~device means~~ displaying state information of said home appliances or said data transmitted and received to/from said terminal server.

10. (Currently Amended) The home network system as set forth in claim 9, wherein said display device ~~means~~ includes:

a second network interface ~~for transmitting that transmits~~ and ~~receiving receives~~ data to/from said home server over said home network;

a display drive microcomputer ~~for processing that processes~~ an image signal such that said data transmitted and received through said second network interface is displayed; and

a display ~~for displaying that displays~~ said image signal processed by said display drive microcomputer.

11. (Currently Amended) The home network system as set forth in claim ~~[[3]]~~ 1, further comprising an alarm ~~means~~ connected to said home server over said home network, said alarm ~~means~~ sensing a dangerous situation in the home through an atmosphere or infrared rays in the home, generating alarm data based on the sensed dangerous situation and sending the generated alarm data to said home server.

12. (Currently Amended) The home network system as set forth in claim 11, wherein said alarm ~~means~~ includes:

a second network interface ~~for transmitting~~ that transmits and ~~receiving~~ receives data to/from said home server over said home network;

an alarm sensor ~~for sensing~~ that senses a fire or gas leak through the atmosphere in the home;

an infrared sensor ~~for sensing~~ that senses intrusion of an outsider into the home through the infrared rays in the home, said infrared rays being emitted from an object moving in the home; and

an alarm unit microcomputer ~~for generating~~ that generates alarm data based on a sensed result from said alarm sensor or infrared sensor and sending the generated alarm data to said home server through said second network interface.

13. (Canceled)

14. (Canceled)